



INTERNAL
CORRESPONDENCE

UNION CARBIDE CORPORATION 137-47th Street, P.O. BOX 97, NIAGARA FALLS, NY 14302
METALS DIVISION

Refr'd to _____
For _____

REC'D MAY - 2 1984 RJK

Noted by _____
File _____
Subject _____

To (Name) Mr. R. J. Klotzbach
Division Umetco Minerals Corporation
Location Niagara Falls, NY
Area

Date May 1, 1984
Originating Dept. TECHNOLOGY DEPARTMENT — ENGINEERING

Copy to Messrs. T. J. Kagetsu
F. T. Temple
G. E. Walck
File. 11309

Subject Soil Decontamination -
South of Bldg. 166,
Niagara

We have obtained a burial allocation at Barnwell, SC, for August 1984 of 1900 ft.³. Competition for space tends to intensify toward the end of each year.

Based on our volume estimate of 7000 - 8000 ft.³, it will take us all of 1984 and maybe into 1985 to complete the burial.

All of the soil, however, will be excavated and packaged by August 1 and stored in the Niagara Plant. I have contacted Frank Temple regarding a suitable storage site. This should bring us into compliance with our NYS Radioactive Material License (950-D139).

I'll keep you posted.

L. G. Evans

L. G. Evans

/dac8

UCCNHT0002359



Elkem Metals Company

Technology Center
4625 Royal Avenue P.O. Box 1344 Niagara Falls NY 14302
(716) 286-7400

INTERNAL CORRESPONDENCE

RECEIVED

AUG 15 1984

To (Name)	Mr. J. G. Oxall	Refr'd to	_____	Date	J. OXALL
		For	_____		August 13, 1984
Location	Niagara	REC'D	AUG 17 1984	Originating Dept	Technology Center
Copy to	C. R. Allenbach R. A. Crago R. A. Person	Noted by	_____	Answering letter date	
		File	_____	Subject	Reclamation of Yard Storage Area Southeast of Bldg. 166 - Niagara Plant
		Subject	_____		

The reclamation procedures executed by Umetco on the subject yard area to remove radioactive material will not yield a surface that can be satisfactorily used for storage and vehicle traffic on a year-around basis. The compacted clay fill will undulate and rut when subjected to varying moisture conditions and the wheel loads of vehicles operating in the area.

Umetco has proposed removing a predetermined depth of clay material, after de-licensing of the area by New York State, and backfilling the excavated area with crushed stone. This procedure is not acceptable as the residual compacted clay layer will function as a membrane to trap surface water in the reclaimed areas. This subsurface condition would never be conducive to long term stability of the reclaimed portions of the yard storage area.

The best solution to an acceptable reclamation of this area would be removal of 10" of the compacted clay, placement of 6" of compacted crushed stone, and paving with 4" of asphaltic concrete. At the present time the economics of this approach are not acceptable to Umetco. Our alternate recommendation for the reclamation of the subject area is to remove 12" of the compacted clay, grade the west exposed area toward the west and the east exposed area to the east, place 3" of compacted sand and then 5" of compacted crushed stone. This procedure allows for drainage of subsurface water to more permeable areas until at such time the surface is sealed with the asphaltic concrete.

D. C. Gregory
D. C. Gregory

DCG/rmm

UCCNHT0002360



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
TWO WORLD TRADE CENTER
NEW YORK, N Y 10047

Refr'd to COPY FOR
For THURBER
7/19/84 Evans Coyall
REC'D JUL - 2 1984 RJK
Noted by RJK
File
Subject

June 29, 1984

Address Reply to:
Radiological Health Unit

Refer to: Your letter to
R. Kelly dated:
April 30, 1984

Union Carbide Corporation
P.O. Box 579
Niagara Falls, New York 14302

Attention: Mr. R.J. Klotzbach

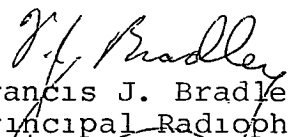
Dear Mr. Klotzbach:

Our survey of the "ball field area" at Union Carbide Corporation's installation located at 4625 Royal Avenue confirmed the results of your own, mailed to this Department on May 4, 1984 in a letter addressed to Mr. Herbert Michael.

You indicated during your meeting with Mr. Kelly and Mr. Michael of this Department that Union Carbide Corporation would decontaminate the installation and dispose of the radioactive waste by transfer to Chem-Nuclear in Barnwell South Carolina.

We accept this proposal. Would you please notify this Department when you have completed the clean-up and mail us a copy of the final survey. We will then make arrangements for a verification survey before de-controlling the property.

Very truly yours,


Francis J. Bradley, Ph.D.
Principal Radiophysicist

HM:ea



UNION CARBIDE CORPORATION P O BOX 579 4625 ROYAL AVE NIAGARA FALLS N Y 14302
METALS DIVISION

May 4, 1984

Mr. H. Michaels
New York State Department of Labor
Division of Safety & Health
69th Floor
2 World Trade Center
New York, NY 10047

Subject: Radioactive Materials License 950-0139

Dear Mr. Michaels:

Attached is a plot plan of the area you wish to sample. Gamma readings on 10-foot centers are shown as times background.

The center lines of the railroad tracks are shown. This plan should give you a good basis for planning your sampling and estimate the amount of time involved.

"Ball Field Area" is a phrase which should be ignored in that it is 60-years old terminology used for internal descriptive orientation. It has not been a ball field since before World War II.

Grab sample areas are shown as circled numbers. Uranium and thorium analysis converted to pCi/gram are indicated in the box on the right with reference to the sample locations.

Please inform me of your schedule.

Very truly yours,

R. J. Klotzbach

/mau
Attachment

cc Messrs L.G. Evans
W.C. Thurber
R.A. Crago/R.E. DeWeese - Elkem

UCCNHT0002362